

Analysis of Magnesium-Rare Earth Element
Alloys in Nonaqueous Solutions, by
A. P. Khreshkov, A. N. Yurovenko.
RUSSIAN, per, Zhur Analiticheskoy Khim.
Vol XXI, No 7, 1966, pp 813-816.
*FTD-HT-67-454

Sci - Earth Sci & Oceano
Mar 67

Determination of Zirconium and Hafnium
Concentration in Solution by Titration
With a Diethylamine Solution, by
O. A. Sinegribova.

RUSSIAN, per, Zhur Analiticheskoy Khim.
Vol XXI, No 7, 1966, pp 872-874.

*FTD-IT-67-454

Sci - Chem
Mar 67

Determination of Microimpurities with a
Chromato-Mass-Spectrometer, by G.D.Tantsyrev
RUSSIAN, per, Zh. Analit. Khim. Vol 21, No 9,
1966, pp 1113-1117.
NLL Ref: 5828.4F (12692)

Sci-Chemistry
Jul 68

360,779

Concentration of Substances in Polarographic
Analysis Communication 9. Determination of
Iodide Ions, by Kh. Z. Brainina, E. Ya.
Sapozhnikova, 11 pp.
RUSSIAN, per, Zhur Anal Khim, SSSR, Vol 21,
No 11, 1966, pp 1342-1347. P 911145367
AEC ORNL Tr-1571

324,437

Sci - Nuclear Science
May 67

Thin-Layer Chromatography in Inorganic Analysis.

I. Possibilities of Inorganic Thin-Layer Chromatography (Review), by D. I. Ryabchikov (Deceased), M. P. Volynets, 7 pp.

RUSSIAN, per, Zhur Anal Khim, Vol 21, No 11, 1966, pp 1348-1352. P911182567

AEC ORNL Tr-1603

324,414

Sci - Chemistry
June 67

Spectrographic Determination of Molybdenum
by the Method of Fluorination and Sublimation,
by K. A. Pomietun and V. G. Siniakova
RUSSIAN, per, Zh. Analit. Khim. Vol 22, No 3,
1967, pp 440-441.
NLL Ref: 5828.4F (12694)

Sci-Chemistry
Jul 68

360,776

Atomic Absorption Analysis by the Photographic
Method, by N. P. Ivanov and B. M. Talalaev
RUSSIAN, per, Zh. Analit. Khim., Vol 22, No 4,
1967, pp 634-636.
NLL Ref: 5828.4F (12696)

Sci-Chemistry
Jul 68

360,772

Quantitative Analysis by Diffusion of the
Determined Substance into a Gel With a
Precipitant, by A.A. Lurie, 5 pp.
RUSSIAN, per, Zhur. Anal. Khim. Vol 22,
no. 5, 1967, pp. 689-693
*CFSTI TT 70-57071

Sci/phy
Feb 78

Electron Distribution in Cations of Triarylmethane
Dyes and Extractability of Ionic Associates, by
S. A. Lomonosov.

RUSSIAN, per, Zh Analit Khim, Vol 22, No 8,
1967, pp 1125-1141.

HEW-MIN

1-28-68

Sci/B & E

Feb 68

349,821

Application of Microwave Spectrometry For the
Determination of Ethyl and Isopropyl Alcohol
Impurities in Gasoline, by A. N. Aleksandrov,
G. I. Tysovskiy.

RUSSIAN, per, Zhurnal Analiticheskoy Khimii,
Vol 22, No 10, 1967, pp 1532-1535.
NASA TT F-11,855

Sci
Dec 68

368,773

1-phenyl-3-methyl-4-benzoylpyrazolone-5 as
a group extraction-reagent for chemico-
spectrographic analysis. By Yu. A. Zolotov,
14 pp.

RUSSIAN, per, Zhurnal Analiticheskoi Khimii,
1969, vol 24, p. 20-25.

ETC-69-32438

Nov 69

396, 050

Use of Siloxen for Determining Small
Amounts of Nitrogen Dioxide, by
Kh. I. Agranov.
RUSSIAN, per, Zhurnal Analiticheskoi
Khimii, Vol 25, 1970, pp 1309-1313
NTC 72-11827-07B

June 72

Analysis of Organophosphorus Compounds by
Gas-Liquid Chromatography, by L. S. Subbetina,
S. I. Samolyuk, 8 pp.
RUSSIAN, mono, Zhurnal Analiticheskoy Khimii.
Moscow, Vol 26, No 2, 1971, pp 364-368.
JPRS 53065

May 71

Zhurnal Analiticheskoy Khimiy, Vol 27, No 3, Pt 1,
March 1972, pp 429-523.

Full tr by Consultants Bureau, pp 375-460.

Available Ly Serials

Sept 72

Relative Orientation of the Earth's Equator and
the Lunar Orbit in the Distant Past, by N.A.
Savokin.

RUSSIAN, per, Zhurnal Astronomicheskii, Vol. 42,
pp. 1070-1074, 1965.
RSIC-546

Physics
Aug 66

308,666

New Explanations of Mayeda's Flare on Mars
II., by V. D. Davydov, 17 pp.
RUSSIAN, Astron. Zh. vol 46, no 5, 1969
pp. 1074-1086.
CIA X-7200

Mar 70

403,275

Diurnal Temperature Behavior in the Mars
Aerosol-Gas Atmosphere and Ground, by
V. I. Aleshin, T. N. Fedoseeva.
RUSSIAN, per, Astron. Zh. vol. 46, no. 5
1969, pp. 1095-1103.
CIA X-7189

Feb 70

401,310

15th Anniversary of the World's First Atomic
Power Station, by V. G. Konechkin, L. A. Kochetkov,
7 pp.

RUSSIAN, per, Zhurnal Atomnaya, Vol 26, No 6, 1969,
pp 487-490.

NAV/NIC/Tran-3039-70

Sci/Phys
June 70

Determining the State of the Fetus From the
Phonoelectrocardiographic Data, by, P. A. Markaryan.
RUSSIAN, per, Zhurnal Eksperimentalnoi i
Klinicheskoi Meditsiny, Vol 6, No 4, 1966, pp 47-53.
71-16021-06E

Jan 72

ZHURNAL EKSPERIMENTAL'NOY I
TEORETICHESKOY FIZIKI
(Soviet Physics - JETP - monthly)
Translation begins with 1955, Vol. 25
Lag time: ca. 6 months
Order from: American Institute of Physics
335 East 45th Street
New York, N.Y. 10017
1971: \$ 95.00/year USA and Canada
\$ 100.00/elsewhere
\$ 9.00 single current or back issues
USA and elsewhere
(Prepayment required - surface mail postage
is included)

*Russ
new*

ZHURNAL EKSPERIMENTAL'NOY I TEORETICHESKOY FIZIKI,
1965 - Dec 1971.

COVER - COVER: THE AMERICAN INSTITUT OF PHYSICS.

AVAILABLE LY SERIALS

Spontaneous Emission of Gamma Quanta
From Crystals, by D. F. Zaretsky,
V. V. Lomonosov, 11 pp.
RUSSIAN, per, Zhur Ekspor, Teoret Fiz,
Vol XLVIII, 1965.
CIA/FDD X-5659

Sci - M/1

Jul 65

FOR OFFICIAL USE ONLY

284,3000

Excitation of Modes and Generation Kinotics
in a Ruby Laser with a Confocal Resonator, by
V. V. Korobkin and A. M. Leontovich,
FOR OFFICIAL USE ONLY NOT FOR DISTRIBUTION
RUSSIAN, per, Zhurnal Eksperimental'noi i
Teoreticheskoi Fiziki, Vol XLVIII, No 1, 1965,
pp 78-86.
AFCRL T-R-485

Sci=
Sept 66

310,556

A Change in the Resonator of a Ruby Laser Due
to Heating by Pumping Light, by A. P. Veduta
and A. M. Leontovich, et al,

FOR OFFICIAL USE ONLY NOT FOR DISTRIBUTION
RUSSIAN, per, Zhurnal Eksperimental'noi i
Teoreticheskoi Fiziki, Vol XLVIII, No 1, 1965,
pp 87-93.

AFCRL T-R-486

Sic-
Sept 66

310,557

Visual Observation of Infrared Laser
Emission, by L. S. Vasilenko.
RUSSIAN, per, Zh. Eksper. i Teor. Fiz.,
Vol 48, No 3, 1965, pp 777-778.
NASA TT F-9888

Sci-Phys
Apr 66

298,805

Emission of Two Photons at a Given Angle
During Electron Collisions, by V. N. Bayer,
15 pp.

RUSSIAN, per, Zhur Eksper Teor Fiz, Vol 50,
1966, pp 1611-1616. P911144667
AEC SLAC Tr-50

326,285

Sci - Nuclear Science
May 67

Velocity of First Sound in He^3 - He^4 Solutions
by B. N. Esel'son, N. E. Dymnin, E. Ya.
Rudavskiy, E. A. Serbin, 5 pp.
RUSSIAN, per, Zhurnal Eksperimental'noi i
Teoreticheskoi Fiziki, Vol 51, No 6, 1966,
p 1668. F911189867
AEC ANL Trans-454

Sci - Nuclear Science
Jun 67

327,858

A Cryostat Operating on the Heat of Transition
of He^3 From an He^3 -Rich Solution to an He^4 -Rich
Solution, by V. P. Peshkov, 11 pp.
RUSSIAN, per, Zhurnal Eksperimental'noi i
Teoreticheskoi Fiziki, Vol 51, No 6, 1966,
pp 1821-1828. P911190967
AEC ANL Tr-440

Sci - Nuclear Science
Jun 67

327,859

Vortex Structure in Superconducting Films in
a Parallel Field, by I. O. Kulik.
RUSSIAN, per, Zh Eksp Teor Fiz, Vol 52, 1967,
pp 1632-1637.
AEC-AI-Trans-258

Sci-Phys
Jan 68

348,739

AEC 4(MATT-Trans-17) 5TRANSPORT PHENOMENA
IN A RAREFIED PLASMA IN TOROIDAL MAGNETIC TRAPS.
6Galeev, A. A.; Sagdeev, R. Z. 10Translated by Katherine E.
Welmer (Princeton Univ., N. J.), from 15Zh. Eksp. Teor. Fiz.,
53: 348-59(1967). 2020p. 24Dep. NTIS.

25

26fusion devices (thermonuclear); translations 2718A

28MN-20 29P NSA

Optical Generation by a Scattering Medium With
Negative Resonance Absorption, by V. S. Lotokhov
16 pp.

RUSSIAN, per, Zhurnal Eksperimental'noy i
Teoreticheskoy Fiziki, Vol 53, No 4, 1967,
pp 1442-1452.

AIR/FTD/MT-24-112-68

sci/physics
mar 69

376,651

On Some Peculiarities of the Transfer of Rotational
and Vibrational Energies in Processes of Ion-
Molecular Collisions, by G.N. Polyakova, Ya.M. Fogel.
RUSSIAN, per, Zh Eksp Teor Fiz, Vol 54, 1968,
pp 374-383.
SC-T-69-1007

July 69

385-960

Agency: Air Force
P.O. #: AF 8-8882 88-10

R-10306-D
15 Apr. 69

Title:

Authors: S. B. Kormer, M.V. Sinithyn, A.I. Kuryapin

Source: Zh. Eksp. i Teor. Fiz. 53, 1626-1632(68)

Language: Russian

**Special Instructions: Please translate & type
one copy**

Title: Nonequilibrium Radiation from Shock Compressed
Ionic Crystals at Temperatures Above 1 eV. I

Heat Transfer and Second Sound in Dielectrics
with Large Drift Velocities of a Phonon Gas,
by H. Nielson, B. I. Shklovskiy. 14 pp.
RUSSIAN, per, Zh Eksperimental'noy i Teoreticheskoy
Fiziki, Vol 56, No 2, 1969, pp 709-717.
AIR/FTD/HT-23-617-69

Sci-Phys

June 70

Free Plasma Column in a High Frequency Field
at High Pressure, by P. L. Kapitsa, 87 pp.
RUSSIAN, per, Zhurnal Eksperimental'noy i
Teoreticheskoy Fiziki, Moscow, Vol 57, No 6 (12),
1969, pp 1801-1866.
JPRS 50157

Sci-Phys
Apr 70

405,222

Generation of Radiation in the 2.8/cm Range by
Vibrotional-Rotational Transition in the HF
Molecule, by G. G. Dolgov-Savol'nyy, V. A. Polyakov,
10 pp.

RUSSIAN, per, Zhurnal Eksperimental'noy i
Teoreticheskoy Fiziki, Vol 58, No 4, 1970,
pp 1197-1203.

Dept of Navy NTC Tr- 3152

Sci- Fuel Sci
Jan 71

AEC -70-
(SC-T-4054) A METHOD FOR INFRARED DIAG-
NOSTICS OF A PLASMA AND ITS APPLICATION FOR INVE-
STIGATION OF IONIZATION AND RECOMBINATION OF XENON
BEHIND THE FRONT OF A SHOCK WAVE. Generalov, N. A.;
Zimakov, V. P.; Kozlov, G. I. 10 Translated by Marcel I. Wein-
reich (Sandia Labs., Albuquerque, N. Mex.), from 18 Zh. Eksp.
Teor. Fiz.; 58: 1928-37(1970). 20 26p. 24 Dep. NTIS.

25

26 physics (plasma); translations 27 201

28 MN-34 29 P NSA

PP 1133-1145 1970, Vol 59, nr 10

*C/C Amos Unit 3 Phy
the 59203 last completed
process as
73-24-71-0217*

REQ TR CHECK

12-5-9

T08

PHENOMENA DURING THERMAL IGNITION
WITH INVERSE EXCITATION OF THE PRODUCTS
IGOSHIN V I

UR: ZHURNAL EKSPERIMENTAL'NOY I
TEORETICHESKOY FIZIKI, 1970, vol 59, nr 10
pp 1240-1250

*C/c Amer Inst of Phy
Vol 59 no 3 last completed
In process as
HS-23-71-1074*

REQ. TR. CHECK

12-5-2

T076

RECOMBINATION EMISSION OF RADIATION
BY ATOMS (RADICALS) AND THERMAL LASERS
GRAYEVSKY A N

UR: ZHURNAL EKSPERIMENTAL'NOY I TEORETICHESK
FIZIKI, 1970, vol 59, nr 5(11) pp 1566-1570

*C/c Amer Inst of Phy
Vol 59 nr 5 last completed*

In process as

HS-23-71-1075

111 (MATT-Trans-105) 1ANOMALOUS ABSORPTION OF
ELECTROMAGNETIC WAVES BY PLASMA. 1Pustovalov, V. V.;
Silin, V. P. 1980 Translated by Marina Naumann for Princeton Univ.,
N. J., from 1Zh. Eksp. Teor. Fiz.; 59: 2215(1970). 172027p. 24Dep.
NTIS.

20fusion devices (thermonuclear); physics (plasma); translations
2118A, 201

20MN-20 20P NSA

Ad Hoc

*Completed
6 pp.*01446/72
Russian
11 Jan 72

Research on the Transfer of Vibrational Energy from
HF and DF Molecules to CO₂ Molecules, JETP, Vol 61,
Issue 1(7), 1971 pp 97-100

TARGET DATE 21 Jan 72

Xerox provided for
~~paste~~ paste-up

words

Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki,
Vol 61, No 6, Dec 1971, pp 2161-2640.

Full tr by The Am Inst of Phys,
Vol 34, No 6, June 1972, pp 1159-1412.

Available Ly Serials

Oct 72

TH04

JOURNAL OF EXPERIMENTAL AND THEORETICAL
PHYSICS (SELECTED ARTICLES)
KRASYUK I K; PASHININ P I
UR; ZHURNAL EKSPERIMENTAL'NOY I
TEORETICHESKOY FIZIKI, 1971, pages 416 418
1972, pages 471-473; 556-559; 189-194

In process as

HS 72-1812

REC 4(BNL-tr-190) 5CORRELATION OF THE PARTIAL
RADIATION WIDTHS IN THE REACTION $^{163}\text{Dy}(n,\gamma)^{164}\text{Dy}$.
6Danelyan, L. S.; Demidov, A. M.; Krupin, S. V.; Sotnikov,
S. K.; Zarandi, A.; Kardon, B.; Szabo, L.; Seres, Z. 10Trans-
lated by S. J. Amoretty (Brookhaven National Lab.; Upton, N. Y.),
from 15Zh. Eksp. Teor. Fiz.; 62: No. 2, 425-9(1972). 208p. 24Dep.
NTIS.

26physics (nuclear); translations 2720H

28MN-34 29P NSA

REQ TR CHECK

11-06-73

T850

ON LASER PROBLEMS OF SOURCES OF RADIATION
IN THE FAR ULTRAVIOLET AND X-RAY REGIONS
OF THE SPECTRUM

VINOGRAOV, A.V.; SOBEL'MAN, I.I.

UR: ZHURNAL EKSPERIMENTALNOY I TEORETICHESKOY
FIZIKI, VOL. 63, NO. 12, 1972, pp. 2113-2120

*Process in as**H573-23-0739*

ZhETF PIS'MA V REDAKTSIYU
JETP letters to the Editor - semimonthly)
Translation begins with 1965, Vol. 1
Lag time: ca. 2 months
Order from: American Institute of Physics
335 East 45th Street
New York, N.Y. 10017
1971: \$ 35.00/year USA and Canada
\$ 40.00/elsewhere
\$ 2.00 single current or back issues
USA and elsewhere
(Prepayment required - surface mail postage
is included)

Russel

ZHURNAL EKSPERIMENTAL'NOY TEORETICHESKOY FIZIKI
JETP PIS'MA REDAKTSIYU, 1965 - No 3, 1969.

COVER - COVER THE AM INSTI OF PHYS

AVAILABLE BY SERIALS.

Zhurnal Eksperimental'noy Teoreticheskoy Fiziki JETP
Pis'ma Redaktsiyu, Vol 10, No 3, 5 Aug 1969,
pp 113-153.

Full tr by The Am Inst of Phys

Available at Ly Serials

Oct 69

HIGH PRESSURE GAS LASER WITH PREIONIZATION BY
REACTOR

ANUKIYANKIN, V. LANGUAGE=RU COUNTRY=UR

PIS'MA V ZHURNAL EKSPERIMENTAL'NOY I TEOR.FIZ
., 15/11, 5/6/72, 637-39

FSTC=HT=23-6299-73

11/1 (BNL-48-509) MEASUREMENT OF THE CROSS SECTION FOR THE REACTION $^{80}\text{Kr}(\text{n},\text{gamma})^{81}\text{Kr}$ PRODUCED BY THERMAL NEUTRONS. 6Barabanov, I. R.; Pomanski, A. A.; Rysnyi, V. G. 16Translated by S. J. Amoretty (Brookhaven National Lab., Upton, N. Y.), from 16Zh. Eksp. Teor. Fiz., Pis'ma Red., 15: No. 11, 643-5(1972). 205p. 24Dep. NTIS. 26

26physics (nuclear); translations 272011

28MN-34 29P NSA

FREQUENCY STABILIZATION OF A RING LASER

BAROV, N. ETAL LANGUAGE-RU COUNTRY-UR

PIS'MA V ZHURNAL EKSPER. I TEORET. FIZIKI, VO
L 15, ISS 11 5/6/72, 659-61

FSTC-HIT-23-0300-73

PLASMA-STREAM CO₂ LASER

ZAKUSLEV

LANGUAGE-RU

COUNTRY-US

PIS'MA V ZHURNAL EKSPERIMENT I TEKH. FIZ., 1
5/11, 5/6/72, 665-68

FSIC-RI-23-0298-73

REQ TR CHECK

11-06-73

T849

INFLUENCE OF THE EFFECTS OF SATURATION ON
FORCED DIFFUSION IN LASER HEATED PLASMA() VINOGRADOV, A.V.; ZEL'DOVICH, B. YA.
SOBELSMAN, I.I.UR: ZHURNAL EKSPERIMENTALNOY I TEORETICHESKOY
FIZIKI, VOL. 17, NO. 5, 5 MARCH 1973,
pp. 271-274*Process in a*
H573-23-0738

The Purposes and Tasks of "Journal of Evolutionary
Biochemistry and Physiology", by Ye. Kreppe, 5 pp.
RUSSIAN, per, Zhurnal Evolyutsionnoy Biokhimi i
Fiziologii, Vol 1, No 1, Jan/Feb 65, pp. 3-6.
JPRS 29973

USSR
Sci-B/M
May 65

279,788

Basic Trends in the Evolution of Tissue Energy
Metabolism in a Number of Vertebrates, by N. A.
Verzhbinskaya and M. V. Savina, 8 pp.
RUSSIAN, per, Zhurnal Evolyutsionnoy Biokhimi i
Fiziologii, Vol 1, No 1, 1965, pp. 26-31.
JPRS 30090

CFSTJ - TT - 65-31000

USSR
Sci-D/M
May 65

279,923

Relationship Between Electrophysiological
and Cytochemical Indicators in Crustacean
Neuron Activity, by A. B. Kogan and S. I.
Zaguskina, 17 pp.

RUSSIAN, per, Zhurnal Evolyutsionnoy Fiz-
ichimii i Fiziologii, Vol I, No 1, 1965,
pp 59-66.

JPRS 31,734

USSR

Sci- B/N

Sep 65

287,694

'Hypoxic' Type of Mitochondria, by R. N. Etingof,
31 p.

RUSSIAN, per, Zhurnal Evolyutsionnoi Biokhimii i
Fiziologii, Vol I, No 2, 1965, pp 117-126.

CFSTI TT 66-60429

Sci-B&M

Jun 66

303,682

The Cytochrome System of the Mitochondria of the
Somatic Muscles of Cold-Blooded Vertebrates, by
N. V. Savina, 17 p.

RUSSIAN, per, Zhurnal Evolyutsionnoi Biokhimii i
Fiziologii, Vol I, No 2, 1965, pp 126-133.

CFSTI TT 66-60430

Sci-B&M

Jun 66

303,648

A Comparative Investigation of the
Distrubution of Li Na, K, Tb and Cs in
the Muscle Tissue of Marine Animals, by
Vp.P. Nesterov, I. A. Skulskii.

RUSSIAN, per, Zhurnal Evolyutsionnoi
Biokhimii i Fiziologii, Vol 1, 1965,
pp 151-6.

NIL RTS-3280

331, 522

Sci - Chem
Jul 67

Histochemical and Electron Microscopic Study of
the Development of the Receptor Structures of the
Membranous Labyrinth in Vertebrates, by

L. K. Titova. 24 pp.

RUSSIAN, per, Zhurnal Evolyutsionnoi Biologii i
Fiziologii, Vol 1, No 4, 1965, pp 311-319.

CPSTI TT-66-61349

14 7 1967

Sci/BGM

Apr 67

322,462

Phosphatidic Acid Phosphatase of the Subcellular
Fractions of Chick Brain in Ontogenesis, by
L. P. Pomazanskaya. 16 pp.
RUSSIAN, per, Zhurnal Evolyutsionnoi Biokhimi i
Fiziologii, Vol 1, No 4, 1965, pp 320-324.
CFSTI TT-66-61348

Sci/BCI
Apr 67

322,461

The Influence of Carnosine on the Contractile
and Enzymic Properties of Actomyosin, by
I. M. Bochamnikova, E. V. Petushkova,
RUSSIAN, per, Zhurnal Evolyutsionnoy Bio-
khimiy i Fiziologii, Vol I, No 5, 1965,
pp 385-390.
CFSTI TT 66-62000

Sci-Chem
Jun 67

326,942

Electron Microscopic Investigation of Muscles in
Insecta, by Yu. E. Mandelshtam. 19 pp.
RUSSIAN, per, Zhurnal Evolyutsionnoi Biokhimi i
Fiziologii, Vol 1, No 5, 1965, pp 391-397.
CSTI TT-66-61550

Sci/RGN
Apr 67

322,467

Species-Characteristics of Thermogenesis
Following Hypothermia in Rodents, by
L. A. Isaakian, et al,
RUSSIAN, per, Z Evol Biokhim Fziol, Vol I,
No 5, 1965, pp 419-424.
HEW NIH 5-42-67

On Loan Only

DRB Canada
T 471 R

Sci-B&M
Jun 67

329,073

The "Masked" Form of Messenger Ribonucleic Acid,
by A. S. Spirin, 9 pp.

RUSSIAN, per, Zhurnal Evolyutsionnoy Biokhimi
i Fiziologii, Vol 2, No 4, Jul-Aug 1966, pp.
285-292.

JPRS 40099

USSR
Sci-B&M
Mar 67

319,508

Concentration of Non-esterified Fatty Acids
in Blood Plasma of Cyclostomes and Fishes
and Its Changes Under the Influence of
Adrenalin and Insulin, by L. G. Leibson,
Ye. M. Plisetskaya.

RUSSIAN, per, Zh Evolut Biokhim i Fiziol,
Vol 4, No 2, 1968, pp 121-127.

Dept of Interior

Bureau of Commercial Fisheries

Office of Foreign Fisheries

No A-28/May 69/33

On Loan Only

Sci-B&M

July 69

388,601

Adrenalin and Noradrenalin in the Organs
of the Carp Cyprinus carpio Normally and
With Functional Stresses, by
E. M. Stabrovskii.
RUSSIAN, per, Zhurnal Evolyutsionnoi
Biokhimii i Fiziologii, Vol 4, No 4,
1968, pp 338-341
NTC 72-12438-06C

July 72

Functional Maturation of the Cortical Zones of
Interanalyser Integration in Developing Cats,
by A. S. Batuyev, Sv. A. Organosyan, 11 pp.
RUSSIAN, per, Zhurnal Evolyutsionnoy Biokhimi
i Fiziologii, Leningrad, July-Aug 1968, pp 354-
360.
JPIS 46708

Sci-B and M
Nov 68

368,051

V. A. Chuiko

The Content of Glucocorticoids in Plasma of
Fishes From the Black Sea.

RUSSIAN, per, Zhurnal Evolyutsionnoi Biokhimii
i Fiziologii, Vol 4, No 4, 1968, pp 384-386

NTC 72-12554-06C

Sept 72

Comparison of the Effects of Psychotomimetic
Agents on Some Forms of Mouse, Rat, and Dog
Behavior, by G. I. Mil'shteyn, 9 pp.
RUSSIAN, per, Zhurnal Evolyutsionnoy Biokhimi
i Fiziologii, Leningrad, Sept-Oct 1968,
pp 443-448.
JPRS 47,313

Sci-B&M
Feb 69

373,880

ZHURNAL EVOLUTSIONNOI BIOKHIMII
I FIZIOLOGII
(Journal of Evolutionary Biochemistry
and Physiology - bimonthly)
Translation begins with 1969, Vol. 5
Lag time: ca. 6 months
Order from: Plenum Publishing Corporation
227 West 17th Street
New York, N.Y. 10011
1971: \$ 175.00/year
\$ 30.00 single issues
\$ 15.00 single article reprints
add \$ 5.00 on overseas subscription

Russ

Photolysis of Certain Precursors of Nucleic Acids
in the Presence of Polyphosphoric Acid, by
Ye. M. Lapinskaya. 8 pp.

RUSSIAN, per, Zh Evolyutsionnoy Biokhim i Fiziol,
Vol 5, No 1, 1969, pp 10-15.

NASA TT F-12,571

Sci-Chem
Jan 70

399,040

On Sexual Dimorphism in the Blood Serum
Protein Composition of the Russian
Sturgeon, by S. I. Sedov.
RUSSIAN, per, Zhurnal Evolyutsionnoi
Biokhimii i Fiziologii, Vol 5, No 1,
1969, pp 24-29
NTC 72-12430-06C

July 72

Ion-Regulating Function of the Kidney
of the Skate Raja clavata, by
G. P. Gusev.

RUSSIAN, per, Zhurnal Evolyutsionnoi
Biokhimii i Fiziologii, Vol 5, No 1,
1969, pp 30-37

NTC 72-12449-06C

Avail. on Loan - BCF, WASH., D.C.

July 72

Adrenalin and Noradrenalin in the Organs
of Cartilaginous and Bony Fishes of the
Black Sea, by E. M. Stabrovskii.

RUSSIAN, per, Zhurnal Evolyutsionnoi
Biokhimii i Fiziologii, Vol 5, No 1,
1969, pp 38-41

NTC 72-12439-06C

AVAIL ON LOAN - RLF, WASH., D.C.

July 72

Akulin, V.N.

1969

Fatty acid composition of muscle phospholipids of
sockeye salmon, Oncorhynchus nerka, at various
stages of its life cycle (Sostav zhirnykh kislot
fosfolipidov myshts krasnoi, Oncorhynchus nerka
na ryznykh stadiyakh ee zhiznennogo tsikla)
Zhurnal evolyutsionnoi biokhimii i fiziologii, 5(4):
411-414. In Russian.

Transl. by Transl. Bur. Egn. Lang. Div., Dept. of Sec.
of State of Canada for FRBC Halifax laboratory,
Halifax, N.S., as FRBC Transl. Series No. 1471, 8p.,
typescript.

Avail. on Loan - BCF, Wash., D.C.

Original Article Checked. *MR*

Plisetskaya, E.M. and T.I. Mazina 1969
The effect of hormones on the content of non-esterified
fatty acids in the blood of the Baltic lamprey, Lampetra
fluviatilis (Vliyaniye gormonov na sodержanie neester-
ifitsirovannykh zhirnykh kislot v krovi Baltiiskoy
minogi Lampetra fluviatilis)
Zhurnal evolyutsionnoy biokhimi i fiziologii, 5(5):
457-463. In Russian.

Transl. by Transl. Bur. Fgn. Lang. Div., Dept. of Sec.
of State of Canada for FRBC Halifax Lab., Halifax, N.S.,
1970, as FRBC Transl. Series No. 1478, 15p., typescript.

Avail. on Loan - BCF, Wash., D.C.

Original Article Checked...MR

Ya. A. Vinnikov

Comparison of the development of the vestibular
apparatus of the frog *Rana Temporaria* in weightless
and normal states. 15 pp

RUSSIAN, *Zhurnal Evolyutsionnoy Biokhimii i Fiziologii*,
Vol 8, No 3, May-June 1972, pp 343-349

AIR NASA TT F 14,684

nov 72

ZHURNAL FIZICHESKOI KHIMII - monthly
(Soviet Journal of Physical Chemistry)
Translation begins with 1959,
Vol. 33, No. 7
Lag time: 6-8 months
Order from: The Chemical Society
Publications Sales Office
Blackhorse Road
Letchworth, Herts.
1971. £ 40.0.0./year U.K.
\$ 144.00 or £ 60.0.0./year elsewhere
£ 7.10.0 single issues
Orders paid in advance

*Russ
new*

Combustion of Compositons Based on the Oxidizer
Potassium Perchlorate and Combustible Metals
in a Vacuum, by P. F. Dekhil and
L. D. Romodanova,
RUSSIAN, per, Zhurnal Fizicheskoy Khimii, Nov
1965,
Army Mat Cxcl
SI-7-75-507

Sci-Phys
Mar 67

320,121

Calculating the Separation Coefficients
of Isotopes in Amalgam Exchange, by D.Knyazev
RUSSIAN, per Zhurnal Fiz Khimii, vol. 39,
1965, pp. 40-43.
NTC 70-17014-18B

Calculating the Separation Coefficients
of Isotopes in Amalgam Exchange, by
D. A. Knyazov.

RUSSIAN, per, Zhurnal Fizicheskoy
Khimiy, Vol 39, No 1, pp 40-48, 1965
AEC ORNL-Tr-688 9230183

Sci-Phys
Nov 65

291,625

Theory of Magnetic Resonance in an
Adsorbed Monolayer, by A. A. Kokin.
RUSSIAN, per, Zhurnal Fizicheskoi
Khimii, Vol 39, 1965, pp 577-583.
NTC 72-10548-07D

Apr 72

On the Mechanism of Electroosmosis in Liquid
Metals, by D. K. Belashchenko, 4 pp.
RUSSIAN, per, Zhur Fiz Khim, Vol 39, 1965,
pp 808-809.
AEC IS Tr-26

327,841

Sci - Electronics
Jun 67

R-5972-D

6 Oct 65

Mass spectra and excitation energies of ions
(O mass-spektrakh i energiyakh vozbuzhdeniya ionov)

By: Z.Z. Lopytov & S.E. Kupriyanov

From: ZHURNAL FIZICHESKOI KHIMII Vol 39, No 7 July

1965 pp 1572-1576

(5 pp)

Russian - est for wds:

Type an original and 2 carbon copies.

Document can be cut for paste-up.

Investigation on the Electric Properties of
Polysemiquinones, by A. A. Dulov, B. I.
Llogonskiy.

RUSSIAN, per, Zhurnal Fizicheskoi Khimii,
Vol 39, No 7, 1965, pp 1590-1594
SLA TT-66-10642

Sci-Chem
Jul 66

305,531

R-5973-D

6 Oct 65

Investigation of ion dissociations from propane on
double mass spectrometer

By: S.E. Kupriianov and A. A. Perov

From: ZHURNAL FIZICHESKOI KHIMII Vol 39, No 7 July
1965 pp 1964-1966 (7 pp)

Russian - est for wds:

Type an original and 2 carbon copies. Document can be
cut.

The Electronic Factor in Catalysis and the
Problem of Selecting of Catalysts,
by F. F. Volkenshtein. 19p.
RUSSIAN, per, Zhurnal Fizicheskoi Khimii,
Vol 39, No 8, 1965, pp 1809-1916.
SIA TT-66-10379

Sci-Chem
Sept 66

310,381

Diffusion Conditions of Combustion in the Pres-
ence of Condensed Reaction Products, by
N. N. Bakhtan,
RUSSIAN, per, Zhurnal Fizicheskoye Khimii, No 8,
1965, pp 1860-1862,
Army Mat Cnd
SI-7-75-509

Sci-Fuels & Prop
Mar 67

320,119

The Combustion of Mixtures Containing Potassium Perchlorate as Oxidizer and Metal Fuels in a Vacuum, by P. F. Pokhil and L. D. Romodanova,
RUSSIAN, per, Zhurnal Fizicheskoy Khimii, Vol XXXIX, No 11, 1965, pp 2757-2759.
AFD tr-66-76

Sci-Phys
Dec 66

316, #548

The Reflecting Power and Structure of Thin
Nickel Electrodeposits, by A. T. Vaynsyan,
N. K. Sereboshkina.
RUSSIAN, per, Zh. Fiz. Khim., Vol 40, No 1,
1966, pp 63-67.
ALL 9022.4 (66/90)

Sci - Chem
oct 67

342,748